



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 309812 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309812 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Circuit_55
- Track 2 : Bolt007_59
- Track 3 : CalWood4100_62, Prairie_59, Lilmac1015_62, Klevey_61
- Track 4 : Altadena_56
- Track 5 : Nandito_59
- Track 6 : Bumble_55

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altadena_56, Bolt007_59, Bumble_55, CalWood4100_62, Circuit_55, Klevey_61, Lilmac1015_62, Nandito_59, Prairie_59,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_56 (FH), Bolt007_59 (FH), Bumble_55 (FH), CalWood4100_62 (FH), Circuit_55 (FH), Klevey_61 (FH), Lilmac1015_62 (FH), Nandito_59 (FH), Prairie_59 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:

•Start number 2 was manually annotated 7 times for cluster FH.

Gene Information:

Gene: Altadena_56 Start: 36721, Stop: 37194, Start Num: 2

Candidate Starts for Altadena_56:

(Start: 2 @36721 has 7 MA's), (9, 36898), (10, 36901), (14, 37114),

Gene: Bolt007_59 Start: 39494, Stop: 39859, Start Num: 2

Candidate Starts for Bolt007_59:

(Start: 2 @39494 has 7 MA's), (6, 39584), (10, 39671), (13, 39740),

Gene: Bumble_55 Start: 37511, Stop: 38032, Start Num: 2

Candidate Starts for Bumble_55:

(Start: 2 @37511 has 7 MA's), (4, 37544), (7, 37649), (8, 37691), (12, 37757),

Gene: CalWood4100_62 Start: 39390, Stop: 39749, Start Num: 2

Candidate Starts for CalWood4100_62:

(Start: 2 @39390 has 7 MA's), (9, 39558), (10, 39561),

Gene: Circuit_55 Start: 38162, Stop: 38677, Start Num: 2

Candidate Starts for Circuit_55:

(Start: 2 @38162 has 7 MA's), (4, 38195), (8, 38342),

Gene: Klevey_61 Start: 39171, Stop: 39530, Start Num: 2

Candidate Starts for Klevey_61:

(Start: 2 @39171 has 7 MA's), (9, 39339), (10, 39342),

Gene: Lilmac1015_62 Start: 39390, Stop: 39749, Start Num: 2

Candidate Starts for Lilmac1015_62:

(Start: 2 @39390 has 7 MA's), (9, 39558), (10, 39561),

Gene: Nandito_59 Start: 39162, Stop: 39746, Start Num: 2

Candidate Starts for Nandito_59:

(1, 39117), (Start: 2 @39162 has 7 MA's), (3, 39174), (5, 39237), (6, 39243), (10, 39330), (11, 39363), (15, 39672),

Gene: Prairie_59 Start: 38536, Stop: 39030, Start Num: 2

Candidate Starts for Prairie_59:

(Start: 2 @38536 has 7 MA's), (9, 38713), (10, 38716),